

Salty Ice Cubes

Grade Levels:

K-3

Question:

Will salt water freeze?

Possible Hypotheses:

Salt water will/will not freeze.

Materials:

Three small plastic cups

Water

Salt

Procedure:

1. Fill the cups half-full with the same amount of water.
2. Add 1 tablespoon of salt to one cup. Mark it with an S. Add 2 tablespoons of salt to another cup. Mark it with an SS. Stir the cups. Mark the third cup with a C. This is your control.
3. Place the cups in the freezer. Observe the cups every 15 minutes for two hours.

Analysis and Conclusion:

Did all the cups of water freeze? Which froze first? What does this experiment tell you about salt?

